What is claimed is:

- 1. An inverter device, comprising:
- a plurality of semiconductor chips that are connected in parallel and constitute an arm of an inverter;
 - a first conductor to which a face on one side of said plurality of semiconductor chips is connected;
 - a wide conductor to which a face on the other side of said plurality of semiconductor chips is connected;
- a second conductor connected to said wide conductor; and
 - a cooler to which said first conductor and second conductor are connected through an insulating resin sheet.
 - 2. An inverter device, comprising:
- a first semiconductor chip group wherein a plurality of semiconductor chips constituting an upper arm of an inverter are connected in parallel;
- a first conductor to which faces on one side of said semiconductor chips of said first semiconductor chip group 20 are connected;
 - a second semiconductor chip group wherein a plurality of semiconductor chips constituting a lower arm of said inverter are connected in parallel;
- a second conductor to which faces on one side of said

 25 semiconductor chips of said second semiconductor chip group

 are connected;

a first wide conductor to which faces on the other side of the semiconductor chips of said first semiconductor chip group are connected;

a second wide conductor to which faces on the other side of said semiconductor chips of said second semiconductor chip group are connected;

a third conductor connected with a three-phase output electrode connected to said first wide conductor and arranged between said first conductor and second conductor;

a fourth conductor connected with a negative electrode connected with said second wide conductor and arranged between said first conductor and second conductor; and

a cooler to which said first to fourth conductors are connected through an insulating resin sheet.

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3. The inverter device according to claim 1 or 2, further comprising:

a heat buffer plate connected to said wide conductor at a face on the other side of said semiconductor chip.

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4. A method of manufacturing an inverter device, comprising:

bonding a plurality of semiconductor chips and a heat buffer plate by a low melting point or high melting point solder;

bonding said heat buffer plate and a conductor by a low melting point or high melting point solder;

fixing said conductor to a cooler; and fixing said heat buffer plate and a wide conductor.

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5. The method of manufacturing an inverter device according to claim 4, further comprising:

dividing said wide conductor into a plurality of chips; and

- fixing said conductor and said cooler by application of pressure at locations where a plurality of semiconductor chips are not bonded to said conductor.
 - 6. An electric automobile, comprising:
- 15 (1) an inverter device comprising:
 - a plurality of semiconductor chips that are connected in parallel and constitute an arm of an inverter;
 - a first conductor to which a face on one side of said plurality of semiconductor chips is connected;
- a wide conductor to which a face on the other side of said plurality of semiconductor chips is connected;
 - a second conductor connected to said wide conductor;
 - a cooler to which said first conductor and second conductor are connected through an insulating resin sheet;
- 25 and

- (2) an electric motor incorporating said inverter device and that drives a drive wheel by using an AC power from said inverter device.
- 7. An electric automobile, comprising:
 - (1) an inverter device comprising:
 - a plurality of semiconductor chips that are connected in parallel and constitute an arm of an inverter;
- a first conductor to which a face on one side of said 10 plurality of semiconductor chips is connected;
 - a wide conductor to which a face on the other side of said plurality of semiconductor chips is connected;
 - a second conductor connected to said wide conductor;
 - a cooler to which said first conductor and second
- 15 conductor are connected through an insulating resin sheet;
 - (2) an electric motor incorporating said inverter device and that drives a drive wheel by using an AC power from said inverter device; and
- (3) an internal combustion engine that drives said drive
 20 wheel and is provided in addition to said electric motor.